

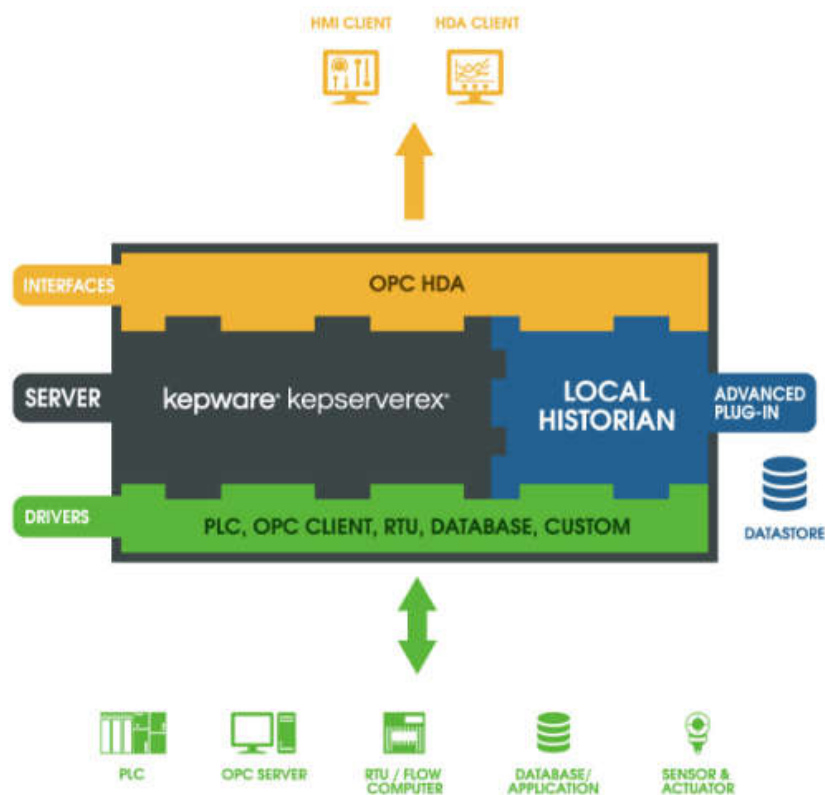
Local Historian

SKU: KWP-LHIST1-PRD (1-500 Tags)

SKU: KWP-LHIST2-PRD (501-10000 Tags)

Product Overview

The Local Historian for KEPServerEX moves data collection, storage, and access closer to the data source to prevent data loss and improve operational efficiency via open access and a single product solution. By plugging into the KEPServerEX connectivity platform, the Local Historian can connect to any device and add devices in real-time without operational downtime. The advanced plug-in architecture simplifies configuration, provides flexibility, and makes the information accessible across OPC HDA (an open standard).



Features

- Collects data consisting of a value, quality, and timestamp from any data source in the server (such as drivers, advanced plug-ins, or system tags)
- Collects from both static and dynamic server tags
- Supports persistence to a volume on the local machine (which can be a fixed drive or removable media)
- Supports access to historical data via OPC HDA 1.20
- Supports processed read requests (OPC HDA aggregates)
- Supports data timestamps with one millisecond resolution
- Supports configurable data collection scan rates as frequent as 10 milliseconds
- Supports collection deadband
- Has a configurable data retention policy
- Imports historical data that has been backed up and removed from active use
- Has a built-in historical data viewer for quick troubleshooting
- Supports tiered licensing for up to 10,000 tags

Protocols

- OPC Historical Data Access (HDA)

ADDITIONAL TECH INFO

PROTOCOL DETAILS

OPC HDA 1.20 Client Access

- Supported IOPCHDA_Server Interface Functions:
 - GetAggregates
 - GetHistorianStatus
 - GetItemAttributes
 - GetItemHandles
 - ReleaseItemHandles
 - ValidateItemIDs
 - CreateBrowse (except filtering)
- Supported IOPCHDA_SyncRead Interface Functions:
 - ReadAttribute
 - ReadProcessed
 - Interpolative
 - Time Average
 - Total
 - Average
 - Minimum Actual Time
 - Maximum Actual Time
 - ReadRaw
- Supported IOPCHDA_Browser Interface Functions:
 - GetEnum
 - ChangeBrowsePosition
 - GetItemID
 - GetBranchPosition

PARTNERSHIPS

The Local Historian provides historical information to custom or off-the-shelf OPC HDA-compliant client applications for data visualization, reporting, and analytics. Because the Local Historian's design decouples data storage and visualization, users can choose the visualization or reporting solution that best meets their unique needs.

Keeware has tested the advanced plug-in with multiple third-party products to validate the accuracy of the software's OPC HDA implementation, including the following:

- Advanced Mathematical Analytics
 - MATLAB by MathWorks
 - OPCcalc by EXELE Information Systems
- Reporting
 - Dream Report by Ocean Data Systems
 - XLReporter by SyTech
- Trending/Visualization
 - Glance by ECG
 - Oxalis by Bee Computing
 - rapidVision by Automsoft
 - SapphireTrend by Jemmac Software
 - TrendLink by Canary Labs